IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Divisional Application of:)	Group Art Unit: 2819
Jun KOYAMA et al.)	Examiner: P. Wamsley
Based on Serial No. 10/053,656)	
Filed: January 24, 2002)	
For: D/A CONVERSION CIRCUIT AND)	
SEMICONDUCTOR DEVICE)	

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application.

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

The references listed on the attached PTO 1449 Form were cited in patent application Serial No. 10/053,656 and predecessor application Serial No. 09/197,766 and copies of the references can be found in those applications (37 CFR 1.98(d)(1)-(2)).

Respectfully submitted,

Eric J. Robinson

Reg. No. 38,285

Robinson Intellectual Property Law Office, P.C.

PMB 955

21010 Southbank Street

Potomac Falls, Virginia 20165

(571) 434-6789

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C	Complete if Known		
Application Number	Based on 10/053,656		
Filing Date	January 24, 2002		
First Named Inventor	Jun KOYAMA et al.		
Group Art Unit	2819		
Examiner Name	Patrick G. Wamsley		
Attorney Docket Number	0756-7281		
	Application Number Filing Date First Named Inventor Group Art Unit Examiner Name		

	U.S. PATENT DOCUMENTS									
Examiner Initials	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		Number	Kind Code ² (if known)	Document	MM-DD-YYYY					
		5,570,105		Koyama	10/29/96					
		6,111,557		Koyama et al.	08/29/00					
		4,398,207		Hoff, Jr. et al.	08/09/83					
		4,801,819		Theus et al.	01/31/89					
		5,572,211		Erhart et al.	11/05/96					

	1			FOREIGN PATENT DOC	UNENTS	T				
Examiner Initials*	Cite No. ¹	Foreign Patent Document Kind Code ³ Office ³ Number ⁴ (if known)			Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶			
		JP	08-237097		09/13/96		Abst.			
	<u>.</u>		OTHER PE	IOR ART – NON PATENT LIT	ERATURE DOCUMENTS					
Examiner Initials	Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.							
		Abs Har Oht	Koyama et al., "Temperature Poly-Si TFT-LCD's with Digital Interface," Extended Abstracts of the 1997 International Conference on Solid State Devices and Materials, Hamamatsu, 1997, pp. 348-349. Ohtani et al., "LP-B: Late-News Poster: A 60-in. HDTV Rear-Projector with Continuous-Grain-Silicon Technology," May 17-22, 1998, pp. 467-470, SID 98 Digest,							
		International Symposium Digest of Technical Papers, Vol. XXIX. Furuhashi et al., "23.4: A-64-Gray-Scale Digital Signal Driver for Color TFT-LCDs," June 14, 1994, pp. 359-362, SID 94 Digest.								
		Junichi OGUCHI, Patent Abstracts of Japan, Publication No. 58-030231, February 22, 1983, "Analog Switching Circuit with Selector."								
				ort, October 27, 2000, 3						
		Lewis et al., "Switched-Capacitor Circuit using Polysilicon on Quartz Thin Film Technology," IEEE International Solid-State Circuits Conference, 122-123, 1992.								

Examiner	Date
Signature	Considered

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Substitute	e for form 1449A/PTO			Complete if Known		
INFO	DMATION I	חזכר	OSLIDE	Application Number	Based on 10/053,656	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	January 24, 2002	
				First Named Inventor	Jun KOYAMA et al.	
	(use as many sheets	as necess	ary)	Group Art Unit	2819	
				Examiner Name	Patrick G. Wamsley	
Sheet	2	of	2	Attorney Docket Number	0756-7281	

				U.S. PATENT DOCUMEN	rs	
Examiner Initials	Cite No.1	U.S. Patent D	Ocument	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
_		Number	Kind Code ² (if known)	Document	WIWI-DD-1111	
		6,281,891		DaCosta et al.	08/28/01	
		6,091,390		Sim	07/18/00	
		5,793,348		Lee et al.	08/11/98	
		5,589,847		Lewis	12/31/96	
		6,040,812		Lewis	03/21/00	
		6,441,758		Koyama et al.	08/27/02	
		6,614,376		Tanaka et al.	09/02/03	
		6,600,436		Tanaka	07/29/03	
		6,459,395		Kida et al.	10/01/02	
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FOREIGN PATENT DOCUMENTS									
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Sheet	1	of	2	Attorney Docket Number	0756-7281	

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		JР	08-23709	7		09/13/96	·	Abst.				
			O1	THER PRIOR	ART – NON PATENT LITE	RATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.										
		Koy	Koyama et al., "Temperature Poly-Si TFT-LCD's with Digital Interface," Extended									
		Abs	Abstracts of the 1997 International Conference on Solid State Devices and Materials,									
			Hamamatsu, 1997, pp. 348-349.									
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-		6,040,812		Lewis	03/21/00	
		6,441,758		Koyama et al.	08/27/02	
		6,614,376		Tanaka et al.	09/02/03	
		6,600,436		Tanaka	07/29/03	
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